Claims

- A complex oxide having a composition represented by the formula La_vM¹_wNi_xM²_yO_z; wherein M¹ is at least one element selected
 from the group consisting of Na, K, Sr, Ca, Bi and Nd; M² is at least one element selected from the group consisting of Ti, V, Cr, Mn, Fe, Co and Cu; and the subscripts are numbers which respectively satisfy 0.5≤v≤1.2; 0≤w≤0.5; 0.5≤x≤1.2; 0.01≤y≤0.5; and 2.8≤z≤3.2, the complex oxide having a negative Seebeck
 coefficient at 100°C or higher.
- 2. A complex oxide having a composition represented by the formula La_vM¹_wNi_xM²_yO_z; wherein M¹ is at least one element selected from the group consisting of Na, K, Sr, Ca, Bi and Nd; M² is at least one element selected from the group consisting of Ti, V, Cr, Mn, Fe, Co and Cu; and the subscripts are numbers which respectively satisfy 0.5≤v≤1.2; 0≤w≤0.5; 0.5≤x≤1.2; 0.01≤y≤0.5; and 2.8≤z≤3.2, the complex oxide having an electrical resistivity of 10 mΩcm or less at 100°C or higher.
- 3. An n-type thermoelectric material comprising the complex oxide of Claim 1.

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- 4. An n-type thermoelectric material comprising the complex oxide of Claim 2.
 - 5. A thermoelectric module comprising the n-type thermoelectric material of Claim 3.
- 30 6. A thermoelectric module comprising the n-type thermoelectric material of Claim 4.